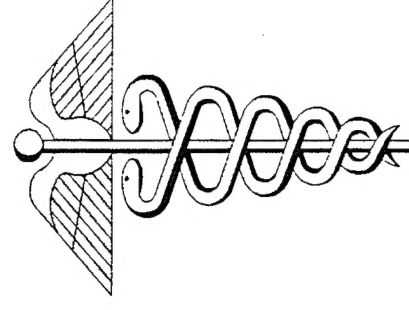
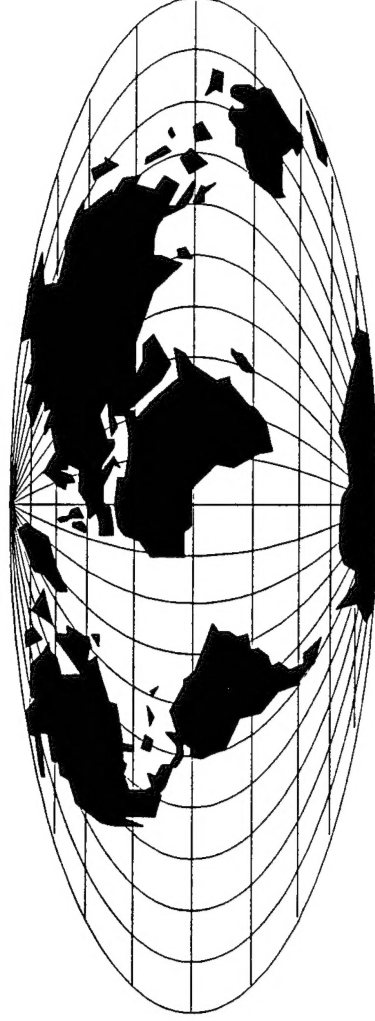
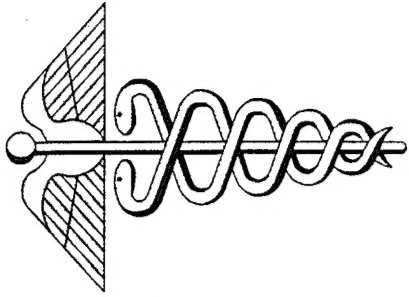


# DEFENSE HEALTH PROGRAM



## Real Property Maintenance and Minor Construction

Fiscal Year 1998/1999

Volume III

The Defense Health Program spans the globe to support the Department of Defense's most important resource--active and retired military members and their families.

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**DEFENSE HEALTH PROGRAM, VOLUME III  
REAL PROPERTY MAINTENANCE AND MINOR CONSTRUCTION  
FY 1998/1999 BIENNIAL BUDGET ESTIMATES**

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**DEFENSE HEALTH PROGRAM APPROPRIATION  
FY 1998/1999 BIENNIAL BUDGET ESTIMATES  
REAL PROPERTY MAINTENANCE ACTIVITIES**

DoD Component: DHP  
Appropriation: Operation & Maintenance

Date: Jan 97

FY 1996

Functional Category at Work Functions	Workload Data (1)	Operation & Maintenance Costs (\$000)			Total	Military Personnel (\$000)	BMAP
		Civilian Personnel	Contracts	Other			
Active Installations							
1. Maintenance & Repair		11,027	302,521	65,088	378,636	0	633,373
a. Utilities		1,828	15,359	1,388	18,575	0	8,678
b. Other Real Property		9,199	287,162	63,700	360,061	0	624,695
(1) Buildings		8,209	276,455	62,928	347,592	0	615,732
(2) Other Facilities		302	4,781	440	5,523	0	916
(3) Pavements		41	2,872	32	2,945	0	8,047
(4) Land		647	3,054	300	4,001	0	0
(5) Railroad Trackage		0	0	0	0	0	0
2. Minor construction		370	54,388	5,067	59,825	0	0
3. Operation of Utilities		2,220	16,423	87,633	106,276	0	0
a. Electricity- Purchased		10	11,526	45,724	57,260	0	0
b. Electricity-In House		0	279	15	294	0	0
c. Heat-Purchased Steam/Water		0	815	14,993	15,808	0	0
d. Heat-In House Generated Steam/Water		856	1,594	11,020	13,470	0	0
e. Water Plants & Systems		174	887	5,485	6,546	0	0
f. Sewage Plants & Systems		231	1,000	4,068	5,299	0	0
g. Air Conditioning & Refrigeration		60	78	3,699	3,837	0	0
h. Other		889	244	2,629	3,762	0	0
4. Other Engineering Support		12,302	78,475	1,865	92,642	0	0
a. Services		6,627	71,723	578	78,928	0	0
b. Admin & Overhead		5,675	6,583	712	12,970	0	0
c. Rentals, Leases & Easements		0	169	575	744	0	0
Total Active Installations		25,919	451,807	159,653	637,379	0	633,373
Inactive Installations							
Grand Total		25,919	451,807	159,653	637,379	0	633,373

(1) The majority of real property maintenance support is purchased from host installation in the form of lump sum reimbursements. In many instances, medical activities co-exist with other non-medical operations. Additionally, the quantification of workload data in terms of its utility as a management tool has not been cost effective. As a result, workload data is not included.

**DEFENSE HEALTH PROGRAM APPROPRIATION  
FY 1998/1999 BIENNIAL BUDGET ESTIMATES  
REAL PROPERTY MAINTENANCE ACTIVITIES**

DoD Component: DHP  
Appropriation: Operation & Maintenance

Date: Jan 97

Functional Category at Work Functions	Workload Data (1)	FY 1997				Military Personnel (\$000)	BMAR
		Operation & Maintenance Costs (\$000)			Total		
		Civilian Personnel	Contracts	Other			
Active Installations							
1. Maintenance & Repair		22,000	271,430	52,355	345,785	0	743,462
a. Utilities		3,041	19,158	2,252	24,451	0	11,501
b. Other Real Property		18,959	252,272	50,103	321,334	0	731,961
(1) Buildings		16,314	244,552	49,391	310,257	0	721,250
(2) Other Facilities		1,403	2,618	156	4,177	0	1,072
(3) Pavements		556	1,328	202	2,086	0	9,639
(4) Land		686	3,774	354	4,814	0	0
(5) Railroad Trackage		0	0	0	0	0	0
2. Minor construction		56	37,777	4,278	42,111	0	
3. Operation of Utilities		2,914	41,455	96,594	140,963	0	
a. Electricity- Purchased		10	31,732	51,561	83,303	0	
b. Electricity-In House		0	82	17	99	0	
c. Heat-Purchased Steam/Water		0	1,107	16,990	18,097	0	
d. Heat-In House Generated Steam/Water		1,428	5,135	8,973	15,536	0	
e. Water Plants & Systems		200	1,258	6,474	7,932	0	
f. Sewage Plants & Systems		260	1,529	5,344	7,133	0	
g. Air Conditioning & Refrigeration		53	137	4,499	4,689	0	
h. Other		963	475	2,736	4,174	0	
4. Other Engineering Support		12,550	78,042	3,148	93,740	0	
a. Services		5,969	67,807	1,405	75,181	0	
b. Admin & Overhead		6,581	10,133	922	17,636	0	
c. Rentals, Leases & Easements		0	102	821	923	0	
Total Active Installations		37,520	428,704	156,375	622,599	0	743,462
Inactive Installations							
Grand Total		37,520	428,704	156,375	622,599	0	743,462

(1) The majority of real property maintenance support is purchased from host installation in the form of lump sum reimbursements. In many instances, medical activities co-exist with other non-medical operations. Additionally, the quantification of workload data in terms of its utility as a management tool has not been cost effective. As a result, workload data is not included.



**DEFENSE HEALTH PROGRAM APPROPRIATION  
FY 1998/1999 BIENNIAL BUDGET ESTIMATES  
REAL PROPERTY MAINTENANCE ACTIVITIES**

DoD Component: DHP  
Appropriation: Operation & Maintenance

Date: Jan 97

FY 1998

Functional Category at Work Functions	Workload Data (1)	Operation & Maintenance Costs (\$000)			Total	Military Personnel (\$000)	BMAR
		Civilian Personnel	Contracts	Other			
Active Installations							
1. Maintenance & Repair		23,145	267,553	53,715	344,413	0	821,203
a. Utilities		3,133	16,283	1,849	21,265	0	12,327
b. Other Real Property		20,012	251,270	51,866	323,148	0	808,876
(1) Buildings		17,220	243,000	51,163	311,383	0	798,093
(2) Other Facilities		1,406	2,802	158	4,366	0	1,065
(3) Pavements		593	1,372	203	2,168	0	9,718
(4) Land		793	4,096	342	5,231	0	0
(5) Railroad Trackage		0	0	0	0	0	0
2. Minor construction		59	35,737	4,537	40,333	0	
3. Operation of Utilities		2,950	41,837	103,019	147,806	0	
a. Electricity- Purchased		10	32,055	55,151	87,216	0	
b. Electricity-In House		0	82	17	99	0	
c. Heat-Purchased Steam/Water		0	1,126	18,763	19,889	0	
d. Heat-In House Generated Steam/Water		1,444	5,164	9,099	15,707	0	
e. Water Plants & Systems		200	1,259	7,021	8,480	0	
f. Sewage Plants & Systems		260	1,529	5,499	7,288	0	
g. Air Conditioning & Refrigeration		58	139	4,683	4,880	0	
h. Other		978	483	2,786	4,247	0	
4. Other Engineering Support		12,539	82,179	3,418	98,136	0	
a. Services		6,066	71,823	1,409	79,298	0	
b. Admin & Overhead		6,473	10,254	929	17,656	0	
c. Rentals, Leases & Easements		0	102	1,080	1,182	0	
Total Active Installations		38,693	427,306	164,689	630,688	0	821,203
Inactive Installations							
Grand Total		38,693	427,306	164,689	630,688	0	821,203

(1) The majority of real property maintenance support is purchased from host installation in the form of lump sum reimbursements. In many instances, medical activities co-exist with other non-medical operations. Additionally, the quantification of workload data in terms of its utility as a management tool has not been cost effective. As a result, workload data is not included.

**DEFENSE HEALTH PROGRAM APPROPRIATION  
FY 1998/1999 BIENNIAL BUDGET ESTIMATES  
REAL PROPERTY MAINTENANCE ACTIVITIES**

DoD Component: DHP  
Appropriation: Operation & Maintenance

Date: Jan 97

FY 1999

Functional Category at Work Functions	Workload Data (1)	Operation & Maintenance Costs (\$000)			Total	Military Personnel (\$000)	BMAR
		Civilian Personnel	Contracts	Other			
Active Installations							
1. Maintenance & Repair		22,982	281,008	55,722	359,712	0	938,318
a. Utilities		3,152	16,729	1,992	21,873	2,510	13,538
b. Other Real Property		19,830	264,279	53,730	337,839	0	924,780
(1) Buildings		17,460	255,747	52,422	325,629	0	913,526
(2) Other Facilities		987	2,840	682	4,509	0	1,084
(3) Pavements		602	1,338	269	2,209	1,295	10,170
(4) Land		781	4,354	357	5,492	0	0
(5) Railroad Trackage		0	0	0	0	140	0
2. Minor construction		62	38,533	4,779	43,374	0	0
3. Operation of Utilities		2,979	42,076	104,961	150,016	3,805	0
a. Electricity- Purchased		10	32,142	56,061	88,213	0	0
b. Electricity-In House		0	85	18	103	295	0
c. Heat-Purchased Steam/Water		0	1,234	19,316	20,550	0	0
d. Heat-In House Generated Steam/Water		1,457	5,193	9,070	15,720	295	0
e. Water Plants & Systems		200	1,259	7,156	8,615	0	0
f. Sewage Plants & Systems		260	1,530	5,643	7,433	0	0
g. Air Conditioning & Refrigeration		60	142	4,883	5,085	0	0
h. Other		992	491	2,814	4,297	3,510	0
4. Other Engineering Support		12,531	86,210	3,452	102,193	1	0
a. Services		6,165	75,636	1,412	83,213	0	0
b. Admin & Overhead		6,366	10,472	937	17,775	0	0
c. Rentals, Leases & Easements		0	102	1,103	1,205	0	0
Total Active Installations		38,554	447,827	168,914	655,295	3,806	938,318
Inactive Installations							
Grand Total		38,554	447,827	168,914	655,295	3,806	938,318

(1) The majority of real property maintenance support is purchased from host installation in the form of lump sum reimbursements. In many instances, medical activities co-exist with other non-medical operations. Additionally, the quantification of workload data in terms of its utility as a management tool has not been cost effective. As a result, workload data is not included.

**DEFENSE HEALTH PROGRAM APPROPRIATION**  
**FY 1998/1999 BIENNIAL BUDGET ESTIMATES**  
**BACKLOG OF MAINTENANCE AND REPAIRS (BMAR) OF REAL PROPERTY**  
**(\$ IN THOUSANDS)**

DoD Component: DHP  
Appropriation: Operation & Maintenance

Date: Jan 97

	FY 1996	FY 1997	FY 1998	FY 1999
<b>A. BACKLOG - BEGINNING OF YEAR</b>	619,397	642,986	753,419	831,241
(BACKLOG CARRIED FORWARD FROM PRIOR YEARS)				
(MINUS BACKLOG MORE THAN FOUR YEARS OLD)	580,482	633,373	743,462	821,203
(ADJUSTED BACKLOG CARRIED FORWARD)	0	0	0	0
(INFLATION ADJUSTMENT)	580,482	633,373	743,462	821,203
(FOREIGN CURRENCY REVALUATION)	9,208	9,613	9,957	10,038
	0	0	0	0
<b>B. REQUIREMENTS:</b>	404,199	450,583	418,920	469,110
(RECURRING MAINTENANCE & REPAIRS				
(MAJOR REPAIR PROJECTS)	198,016	188,059	187,347	197,999
(BACKLOG DETERIORATION)	138,260	192,904	185,518	222,247
	67,923	69,620	46,055	48,864
<b>C. TOTAL REQUIREMENTS (A + B)</b>	1,023,596	1,093,569	1,172,339	1,300,351
<b>D. PROGRAM ADJUSTMENTS:</b>	390,223	350,107	351,136	362,033
(DIRECT PROGRAM FUNDING)				
(FUNDS MIGRATION FROM OTHER PROGRAM AREAS)	378,636	345,785	344,413	359,712
(NET OTHER ADJUSTMENTS)	0	0	0	0
	11,587	4,322	6,723	2,321
<b>E. BACKLOG - END OF YEAR (C - D)</b>	633,373	743,462	821,203	938,318
<b>F. PERCENT BMAR CHANGE (E / A)</b>	102%	116%	109%	113%

DEFENSE HEALTH PROGRAM APPROPRIATION  
 FY 1998/1999 BIENNIAL BUDGET ESTIMATES  
 OPERATIONS & MAINTENANCE COSTS  
 Real Property Maintenance and Minor Construction Projects  
 (HISTORIC BUILDINGS COSTS)

DoD Component: DHP  
 Appropriation: O&M

	(\$000)			
HISTORIC BUILDINGS (Excluding Family Housing)	FY 1996	FY 1997	FY 1998	FY 1999
A. No. of Facilities	15	15	15	15
B. Minor Construction	73	155	160	165
C. Major Repair (projects costing over \$25,000.00)	526	2,433	2,403	2,475
D. Recurring Maintenance (projects costing \$25,000.00 or under)	1,015	655	667	680
Grand Total	1,614	3,243	3,230	3,320

**Defense Health Program**  
**FY 1998/1999 Biennial Budget Estimates**  
**Real Property Maintenance Activities**  
**Major Repair/Major Repair With Concurrent Minor Construction Projects**  
**(Costing more than \$500,000.00)**

FY 1996 State	<u>Location/Installation</u>	<u>Project Title</u>	(\$000) <u>Cost</u>
AK	Bassett Army Hospital	Electrical Repairs, Phase II	1,255
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.		
AK	Bassett Army Hospital	Repair Plumbing	2,465
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.		
AL	Maxwell AFB	Upgrade Medical Gas Systems	715
	<u>Justification:</u> This project replaces the medical gas system to bring the facility up to standards. The system is in need of replacement of equipment which has exceeded it's life expectancy.		
AZ	Luke AFB	Alteration Surgical Suite	1,035
	<u>Justification:</u> Alteration to the surgical suite; modernization of the suite was needed to upgrade the standard of care and incorporate additional specialties.		
AZ	Luke AFB	Asbestos Abatement	1,000
	<u>Justification:</u> This project replaces the medical gas system to bring the facility up to standards. The system is in need of replacement of		
AZORES	Lajes	Upgrade Facility	6,500

**Defense Health Program**  
**FY 1998/1999 Biennial Budget Estimates**  
**Real Property Maintenance Activities**  
**Major Repair/Major Repair With Concurrent Minor Construction Projects**  
**(Costing more than \$500,000.00)**

<u>FY 1996</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
CA	NH CPEN	Chiller Replacement (ECIP), Bldg H-99, R1-96	1,256
	<p><u>Justification:</u> Repair by replacement of two chillers. Units are in need of replacement because one of them is inoperable and the other is the only source of cooling. The operable chiller is twenty years old and has no back-up in the event of its failure. In addition, it will be insufficient to supply the hospital's cooling needs for the summer. Patient care effectiveness could be jeopardized without repairs.</p>		
CA	NH CPEN	Repairs to AC System (Replacement), Bldg H-100, R2-89(1)	1,502
	<p><u>Justification:</u> Phase I. Repair by replacement needed to HVAC system by replacing with an energy efficient system. Repairs needed frequently to deteriorating existing system. Adversely affecting mission, safety.</p>		
CA	NH SDIEGO	Replace "H" Block Elevator Controllers, Bldg 1H, R12-95	695
	<p><u>Justification:</u> Repair by replacement of the elevator controllers. These "H" block elevators are essential to the success of hospital functions. They serve critical areas such as the CCU and ICU. These elevators are the only means of transporting patients from the 5th floor inpatient wards to the 4th floor operating room. Their current condition does not meet Joint Commission goals regarding management of the environment of care.</p>		

**Defense Health Program**  
**FY 1998/1999 Biennial Budget Estimates**  
**Real Property Maintenance Activities**  
**Major Repair/Major Repair With Concurrent Minor Construction Projects**  
**(Costing more than \$500,000.00)**

<u>FY 1996</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	(\$000) <u>Cost</u>
CA	NH SDIEGO	Repair/Rehab Parking Islands, R7-96	500
	<p><u>Justification:</u> Remove, relocate, and plant trees and shrubs, install stamped concrete and provide irrigation for trees and shrubs per project plans and specifications. Recurring breakage of the pop-up heads by vehicles parked in the lots led to its abandonment. The soil in the islands is a silty soil that is unsuitable for growing plants. Ivy, originally planted in the islands, thrives in partially shaded locations. The islands are in full sunlight.</p>		
CA	Weed Army Hospital	Repair Water, Steam, Sewage Systems	550
DC	WRAMC	<p><u>Justification:</u> Repair/Replace because of impact to Support Mission</p> <p>Repair Fitness Center</p>	1,031
DC	WRAMC	<p><u>Justification:</u> Repair/Replace to alleviate Life Safety impacts to Operations.</p> <p>Replace Chillers</p>	945
FL	NH JAX	<p><u>Justification:</u> Repair/Replace to alleviate Life Safety impacts to Operations</p> <p>Renovate Main Elect Distr Equipment, Bldg H-2080, R2-92</p>	1,140
	<p><u>Justification:</u> The existing automatic transfer switch configuration and operation is in violation of NFPA 110. The ground fault system is in violation of NEC. The electrical distribution system will be upgraded. Reconfigured critical/life safety/permissive power circuits will conform to applicable NFPA codes. The hospital grounding circuits will be upgraded to meet NEC standards.</p>		

**Defense Health Program**  
**FY 1998/1999 Biennial Budget Estimates**  
**Real Property Maintenance Activities**  
**Major Repair/Major Repair With Concurrent Minor Construction Projects**  
**(Costing more than \$500,000.00)**

<u>FY 1996</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
GA	EAMC	MEDCOM Emergency Chillers	656
		<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Envir, or JCAHO impacts to Operations.	
GA	EAMC	Repair Same Day Surgery	1,272
		<u>Justification:</u> Repair/Replace because of impact to Mission Operations.	
GA	EAMC	Renew Buchanan Health Clinic	2,812
		<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Envir, or JCAHO impacts to Operations.	
GA	Martin Army Hospital	Repair OB/GYN & Postpartum	899
		<u>Justification:</u> Repair/Replace because of impact to Mission Operations.	
GA	Martin Army Hospital	Repair Ward Floors 6 & 7	1,340
		<u>Justification:</u> Repair/Replace because of impact to Mission Operations.	
GE	Ramstein AB	Dental Clinic Upgrade	734
		<u>Justification:</u> Replace dental utility systems. Current system has reached its life expectancy.	



**Defense Health Program**  
**FY 1998/1999 Biennial Budget Estimates**  
**Real Property Maintenance Activities**  
**Major Repair/Major Repair With Concurrent Minor Construction Projects**  
**(Costing more than \$500,000.00)**

<u>FY 1996</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
GE	Wuerzburg Army Hospital	Repair Roof	750
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Envir, or JCAHO impacts to Operations.		
HI	Schofield Barracks	Repair Bldg 682	3,000
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Support Functions.		
HI	Schofield Barracks	Repair Bldg 686	669
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Support Functions.		
HI	Schofield Barracks	Repair Bldg 685	2,000
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Support Functions.		
HI	TAMC	Repair Ventilation of Anatomical Path	645
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Envir, or JCAHO impacts to Operations.		
HI	TAMC	Replace Fire Alarm System	2,688
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Envir, or JCAHO impacts to Operations.		

**Defense Health Program**  
**FY 1998/1999 Biennial Budget Estimates**  
**Real Property Maintenance Activities**  
**Major Repair/Major Repair With Concurrent Minor Construction Projects**  
**(Costing more than \$500,000.00)**

<u>FY 1996</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
HI	TAMC	Repair Ventilation of Morgue	797
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Envir, or JCAHO impacts to Operations.		
HI	TAMC	Central Plant Repair	2,433
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Envir, or JCAHO impacts to Operations.		
IC	NH KEFLVK	Interior Repairs and Life Safety Proj, Blg 710, R35-93	4,266
	<u>Justification:</u> Project provides essential repairs to correct health, safety, and fire safety hazards in the hospital. Repairs will improve quality of life for patients and staff and also enable the facility to meet JCAHO accreditation requirements. Repairs include: Separate existing facility into two fire smoke compartments, replace electric pneumatic heating and ventilation control systems, replace current fire alarm system, replace air handler serving the O.R., etc.		
IL	NH GLAKES	Correct Mechanical Deficiencies (HVAC), Blg 1-H, R1-89(1)	2,880
	<u>Justification:</u> Project to repair 80 year old dysfunctional heating system. Replacement with energy efficient HVAC unit. Also, replacement of antiquated lighting fixtures with energy efficient fluorescence. Adversely affecting mission and safety. Minor construction cost-\$165K.		
IL	NH GLAKES	Electrical/Structural Repairs, Blg 200-H, RC4-90	1,053

**Defense Health Program**  
**FY 1998/1999 Biennial Budget Estimates**  
**Real Property Maintenance Activities**  
**Major Repair/Major Repair With Concurrent Minor Construction Projects**  
**(Costing more than \$500,000.00)**

**FY 1996**  
State

**((\$000)  
Cost**

Location/Installation      Project Title

Justification: Repair by replacement all pumps, controls, gauges, and operating systems for HVAC and potable water. Also, repair by replacement deficient electric panels to meet current codes, and cooling tower to correct safety and operational discrepancies in the 34 year old structure. Adversely affects mission, safety, morale. Minor construction cost-\$79K.

IT      NH NAPLES      Repairs/Alterations (BMCL Lamaddalena), RC1-95      766

Justification: Repairs will correct electrical, mechanical, plumbing, and air conditioning deficiencies. Repairs will bring clinic up to current life safety code standards. Functional efficiency of clinical space will be improved.

JA      NH OKI      Replace Boilers (Camp Lester) R3-93, Blg 6010      543

Justification: Repair by replacement is required for these 25 year old steam boilers which have reached their useful life. Repair and periodic maintenance to maintain efficiency and safety is becoming more and more frequent and costly. Due to old age of the boilers, the boiler inspector will soon deny issuance of boiler inspection certificates.

JA      NH YOKO      Replace Air Handling Units R2-96, Blg 1400      717

Justification: Repair by replacement to existing air handling units. Units have exceeded their useful life expectancy. These units are critical to ensure patient care effectiveness.

JA      NH YOKO      Replace Absorption Chillers, RC1-95, Blg 1401      986

**Defense Health Program**  
**FY 1998/1999 Biennial Budget Estimates**  
**Real Property Maintenance Activities**  
**Major Repair/Major Repair With Concurrent Minor Construction Projects**  
**(Costing more than \$500,000.00)**

**FY 1996**  
**State**

**((\$000))**  
**Cost**

Location/Installation      Project Title

Justification: Repair by replacement and upgrade to the two existing absorption chiller units. Existing units have deteriorated due to normal wear and tear during their fifteen years of service. Chillers require continuous operation due to computer usage and areas/rooms to be air conditioned. The existing chiller units will expose patients, workers and other personnel to unsatisfactory hospital, bachelor housing and office environment. Minor construction = \$300K.

KO	18th Medcom	Repair/Upgrade Preventive Medicine	728
<u>Justification:</u> Repair/Replace because of impact to Mission of Operations.			
KO	18th Medcom	Renew Hospital--Phase 1	1,447
<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.			
KS	Irwin Army Hospital	Repair/Upgrade Helipad	511
<u>Justification:</u> Repair/Replace because of impact to Support Mission.			
KY	Ireland Army Hospital	Repair/Upgrade Fire Alarm System	794
<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.			
KY	Ireland Army Hospital	Repair/Upgrade Elevators	793

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<u>FY 1996</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
LA	Bayne-Jones Army Hospital	Repair Utility Control System	545
		<u>Justification:</u> Repair/Replace because of impact to Support Mission.	
LA	Bayne-Jones Army Hospital	Upgrade Emergency Electric Power Distribution System	903
		<u>Justification:</u> Repair/Replace because of impact to Mission of Operations.	
MD	Kimbrough Army Hospital	Repair/Upgrade Dental Clinic	1,272
		<u>Justification:</u> Repair/Replace because of impact to Mission of Operations.	
MD	NNMC BETH	Repair/Upgrade Elevators 1, 2, 3, 4, R1-94(2), Blg 9	775
		<u>Justification:</u> Phase II. Repairs and upgrades to the existing old electrical traction elevators 1, 2, 3, and 4. These elevators have reached the end of their service life and require intensive maintenance. These repairs will allow continued reliable operation so that activity meets current code requirements.	
MD	NNMC BETH	Rprs to Med Hold Barracks (HVAC, Plumb, Elect Windows, R16-91(2), Blg 12	1,160

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<u>FY 1996</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
	<u>Justification:</u> Repairs required to HVAC, plumbing, electrical systems which are beyond their serviceable life. Frequent breakdowns adversely affects mission and quality of life.		
MD	NNMC BETH	Repairs HVAC, Plumbing Elect (Ctr Wings) (BOQ), R6-91(3), Blg 11	600
	<u>Justification:</u> Repairs required to HVAC, plumbing, electrical system which are beyond their serviceable life. Frequent breakdowns adversely affect quality of life.		
MD	NNMC BETH	Repair HVAC, Plumbing Electrical (North Wing) (BOQ), R6-91(4), Blg 11	600
	<u>Justification:</u> Repairs required to HVAC, plumbing, electrical systems which are beyond their serviceable life. Frequent breakdowns adversely affect quality of life.		
MD	NNMC BETH	Replace Signage Base and Hospital Entrances, R32-96(1), Blg 810	500
	<u>Justification:</u> Provides wayfinding signage for parking garage and hospital entrances to aide customers and patients to efficiently utilize the clinic facilities. Includes vehicle, as well as pedestrian signage systems utilizing latest electronic mapping aides.		
MS	Keesler AFB	Fire Alarm Remediation	2,800
	<u>Justification:</u> Upgrade Fire Alarm System to meet life safety codes to an old system.		
NC	NH CLEJ	Replace Chillers and Cooling Tower, R5-93, Blg NH-100	1,000

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**FY 1996**  
**State**

**((\$000))**  
**Cost**

Location/Installation      Project Title

Justification: Repair by replacement to the existing 200 ton R-11 and the 435 ton R-12 chillers with new chillers using a non-ozone depleting refrigerant. Provide repairs to the cooling tower.

NC

NH CLEJ

Repairs/Alterations To HVAC System, RC2-90, Blg NH-100

874

Justification: Project provides additional chiller, cooling tower, replace various AHU's, modify various AHU's, and rebalance the system in various locations. Present HVAC system does not have enough capacity to provide adequate cooling and air changes. Does not provide adequate heat in winter months. Minor construction cost = \$237K.

PR

NH ROOSRD

Replace Emergency Power System, R1-96, Blg 1790

2,986

Justification: Repairs and replacements to the existing 1960's electrical system. The system has never received any major improvements. Project will replace the emergency power system including two new pad mounted transformers and a new double ended switch gear, two 800 KW emergency generators, and new automatic transfer switches. These repairs are necessary for life safety.

PR

NH ROOSRD

Replace Chillers, Pumps Piping, Controls, R3-96, Blg 1790

1,257

Justification: Repair by replacement to two centrifugal chillers and associated pumps, piping and seismic mounts. Install new HVAC controls. The controls shall be designed to serve all hospital HVAC systems. The HVAC system no longer meets the current code standards. These deficiencies must be corrected.

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<u>FY 1996</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	(\$000) <u>Cost</u>
PR	NH ROOSRD	Replace AHU 3, R4-96, Bldg 1790	1,059
	<u>Justification:</u> Repair by replacement to the existing deteriorating air handling unit #3, associated HVAC controls, ductwork, final filters, hot water piping, exhaust, seismic mounts and air balancing. This air handler has surpassed its useful life capacity.		
PR	NH ROOSRD	Replace Boilers/Associated Equipment, R6-96, Bldg 1790	645
	<u>Justification:</u> The two central steam boilers are old and inefficient. Spare parts are difficult to obtain and boiler emissions are high. Project will replace the boilers and accessories including the boiler chemical treatment system.		
SC	Moncrief Army Hospital	Remove/Replace Asbestos Floors Bldg 4500	500
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.		
SC	Moncrief Army Hospital	Replace Fire Alarm System	2,800
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.		
SC	Moncrief Army Hospital	Repair Hagen Dental Clinic	622



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<u>FY 1996</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
SC	NH BFT	Install Thermal Insulating Windows, R3-92, Blg 1	901
	<u>Justification:</u> Repair/Replace because of impact to Mission of Operations.		
		<u>Justification:</u> Repair by replacement to existing single-pane, non-insulated windows with thermal insulated energy conserving windows. Facility was built in 1949.	
TX	Darnall Army Hospital	Repair Dental Air/Vacuum System	508
		<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.	
TX	Darnall Army Hospital	Repair/Upgrade Neonatal	675
		<u>Justification:</u> Repair/Replace because of impact to Mission of Operations.	
TX	Darnall Army Hospital	Clean Ducts	682
		<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.	
TX	Dyess AFB	Upgrade Facility	2,000
		<u>Justification:</u> Replaces and upgrades essential electrical systems and installs/replaces generators.	

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<u>FY 1996</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
TX	Lackland AFB	Install Generators  <u>Justification:</u> Install gas turbine generators, TEP. Original equipment has met its life expectancy and is in need of updating to an efficient, cost-effective system. The current system requires frequent maintenance and cannot be repaired to a satisfactory state of reliability.	8,800
TX	Lackland AFB	Emergency Power System  <u>Justification:</u> Repair and upgrade the emergency power system. The project upgrades wiring and electrical panels to ensure compliance with current established codes.	1,700
TX	Lackland AFB	Alternation and Upgrade Bldg 7206  <u>Justification:</u> Repair and alternation of interior to include new walls ceilings and floor finishes, new door, bathroom fixtures and lights. Includes the upgrading of mechanical and electrical system to the building.	787
TX	Sheppard AFB	Air Handler Units  <u>Justification:</u> Upgrade and replacement of outdated air handler units for the medical facility.	1,900
VA	Kenner Army Hospital	Repair/Upgrade Radiology Room  <u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.	630

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**FY 1996**      Location/Installation      Project Title      Cost      ((\$000))

**VA**      **NMCL QUANT**      **Repairs to Male Enlisted Quarters, R4-92, Bldg 2203**      **896**

Justification: Repair by replacement to existing HVAC piping, air-conditioning chiller, hot water heater, fan coil units, floor tiles, carpet and fire doors; repair bathrooms, kitchen and electrical/lighting system; paint interior and exterior surfaces; and seal exterior brick surfaces. If this building's deficiencies remain, these deficiencies may lead to structural deterioration and safety hazards.

Total Minor Construction:      10,825  
 Total Repair and Maintenance:      85,501  
 Total Active Installations:      96,326  
 Total Inactive Installations:      0  
  
 Grand Total:      96,326

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<u>FY 1997</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>( \$000 )</u> <u>Cost</u>
CA	Beale AFB	Modify Kitchen and Laboratory Area	904
		<u>Justification:</u> This project consolidates lab operations, improved space allocation, and provides lab waiting area. Vacated space would be reconfigured for use by Radiology. It provides for properly sized darkroom, exposure room, larger film file room, separate mammography darkroom, handicapped rest room, larger dressing rooms for patients.	
CA	Beale AFB	Construct Aerospace Medicine Building	1,000
		<u>Justification:</u> This project provides replacement of the current FSO modular building which is unsatisfactory and has numerous Life Safety problems, replacement of the current Optometry Clinic, consolidation of Public Health back to the medical campus, space for Immunizations Clinic and Medical Readiness in the new building. This structure would allow the removal of three (temporary type) buildings.	
CA	Edwards AFB	Renovate Surgery Suites	1,000
		<u>Justification:</u> This project will bring the Operating Rooms and other sterile areas into compliance with JCAHO standards. The existing vinyl flooring and wall covering is peeling and broken in many places and in need of repair.	
CA	Edwards AFB	Renovate Hospital Command/Administration for OB/GYN Clinic	1,000

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**FY 1997**  
**State**

**((\$000))**  
**Cost**

Location/Installation      Project Title

Justification: The OB/GYN Clinic is working in an outmoded building layout incompatible with their office/clinic requirements. The OB/GYN clinic needs space to accommodate the current needs and to consolidate the services in one location.

CA

NMC SDIEGO

Repair Parking Structure, R16-95, Blg 21

750

Justification: Repairs required to this post tensioned parking structure. Showing signs of potential major structural problems. Tension sheaths are worn through in several locations. Also, due to either seismic activity and/or soil erosion over the years, seismic joints are reaching their limit of expansion.

CA

NMC SDIEGO

Replace "H" Block Elevator Controllers, R12-95, Blg 1H

500

Justification: Repair by replacement of the elevator controllers. These "H" block elevators are essential to the success of hospital functions. They serve critical areas such as the CCU and ICU. These elevators are the only means of transporting patients from the 5th floor inpatient wards to the 4th floor operating room. Their current condition does not meet Joint Commission goals regarding management of the environment of care.

CU

NH GITMO

Mechanical Repairs, R1-96, Blg H1

552

Justification: Repairs to HVAC, plumbing, electrical systems. These deteriorated, failing, and inefficient systems are currently in dire need for major repairs.

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<b>FY 1997</b>	<b>State</b>	<b>Location/Installation</b>	<b>Project Title</b>	<b>(\$000) Cost</b>
ENG		Lakenheath	Add to and Repair Dental Clinic	2,000
<b>Justification:</b> Add 204 square meters to the existing dental clinic and renovate building 743. The project is required to meet the demand of the DoD overseas dependent dental care program.				
FL		Eglin AFB	Replace Boilers	500
<b>Justification:</b> This project will replace two boilers that are located in the basement of building 2825. The boilers currently used are vintage 1965 and have reached their life expectancy.				
FL		Eglin AFB	Replace/Repair Roof	682
<b>Justification:</b> Portions of the main hospital's roof was repaired in 1992, however, the majority of the problems still exist. The project will replace all roofing surfaces, liners, insulation, and convert many plaster ceilings to dropped ceilings, and replace necessary lighting systems.				
FL		Eglin AFB	Life Safety Code Upgrade - Phase I	5,000
<b>Justification:</b> This project will construct a central plant and provide replacement utility equipment as necessary. The generators and cooling towers will be replaced; however, the boilers and chillers will be relocated. All trenching and utility connections/relocations will be included in the project. Project will be the foundation for the remaining upgrades.				
FL	NH JAX		Repair Air Handling Unit #4, R1-96, Blg 2080	1,196

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<u>FY 1997</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
	<p><u>Justification:</u> Repair by replacement to the existing air handling unit. This air handling unit (AHU) is the original built equipment, constructed in 1967. The existing air handling unit has reached the end of its useful life. The system has become unreliable and is highly inefficient. The unit shows significant signs of corrosion and deterioration.</p>		
FL	MacDill AFB	Repair Ward	872
	<p><u>Justification:</u> This project provides reverse door swings on all ward rooms, improving patient safety. It installs new headwall systems in the rooms and replaces the ceilings throughout the ward. Floors will be replaced where needed (asbestos abatement will be required).</p>		
FL	Patrick AFB	Mental Health Facility	767
	<p><u>Justification:</u> This project provided for the construction of a Mental Health Facility.</p>		
FL	Tyndall AFB	Renovate Dining and Kitchen Area	1,000
	<p><u>Justification:</u> The dining and kitchen area is in need of renovation and upgrading to meet the needs of patients. Current kitchen has not been renovated since originally built in 1965. Updates the equipment, redesign of serving areas reflecting new nutritional feeding patterns, increased space needed for diet counseling and nutritional medicine.</p>		
FL	Tyndall AFB	Replace Hospital Drainage System	500

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**FY 1997**  
State

((\$000)  
Cost

Location/Installation      Project Title

Justification: The drainage system is in need of replacement to meet standards. Original drainage system installed in 1965. Replacement is overdue, the system does leak and needs to be replaced.

GA

EAMC

Clinical Investigation Lab Renewal

1,200

Justification: Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.

GA

Robins AFB

Repair Hospital HVAC and Roof Ventilators

500

Justification: Estimated \$500k pending CEMRT study and evaluation scheduled Aug 96, prior to design. Upgrades HVAC infrastructure to meet current and future requirements.

GE

Ramstein AB

Repair Aeromedical Staging Facility

2,000

Justification: Project will provide the much needed life safety upgrades and expand floor space to accommodate 30 bed spaces. The existing space can't support operational requirements.

GU

Anderson AB

Electrical Systems Upgrade

548

Justification: Replace 75kva transformer, the following items will be replaced; panels, feeders, branch circuiting, light fixtures, install lighting protection system, secure and brace for seismic zone, tone/visual nurse call system and add emergency panel to warehouse.

GU

NH GUAM

Replace Elevators, R1-95, Blg 1

1,316



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<u>FY 1997</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
GU	NH GUAM	Replace Air Conditioning and Refrigeration Equipment, R2-94, Blg 1	1,099
	<u>Justification:</u> Repair by replacement to deteriorating, unreliable elevator. Elevator is in need of major overhaul. Constant repairs to the elevator makes the elevator unavailable for use.		
		<u>Justification:</u> Repair by replacement to the existing air conditioning and refrigeration systems with an environmentally conforming type air conditioning and refrigeration system. Current systems are using Freon 11 and 12 which are considered hazardous substances due to toxic vapors that they emit.	
IL	NH GLAKES	Mechanical Repairs (Med/Den Clinic), R1-92, Blg 237	600
	<u>Justification:</u> Repairs to HVAC, plumbing, electrical and lighting systems. The cooling equipment has exceeded its useful life expectancy and is beyond economical repair. The building's plumbing and HVAC piping insulation is either loose, missing or environmentally unsafe in most areas. The electrical and lighting systems will be replaced to meet current requirements for safe and healthy operations.		
IT	Aviano AB	Dental Expansion	797
	<u>Justification:</u> Renovate 2nd floor building 121 for dental operations. The project is under design will provide additional dental treatment rooms for the overseas DoD dependent dental care program.		

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<u>FY 1997</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	(\$000) <u>Cost</u>
JA	Misawa AB	HVAC Modification	500
	<u>Justification:</u> Relocate air conditioning units, install a stand alone air conditioning unit for the pharmacy, install exterior fans, install a larger A/C unit in computer room, install alarm system to monitor freon leaks, maintenance and repair.		
JA	Yokota AB	Modification of 4th Floor	2,398
	<u>Justification:</u> Reconfigure 4th floor from current ASF configuration back to patient care ward. Install fire detection/sprinkler system, automate humidifier control systems, color code medical gas piping, install oxygen and high dewpoint alarms, replace patient consoles, install high efficiency filters and ducts.		
KO	Kunsan AB	Upgrade mechanical and electrical systems	508
	<u>Justification:</u> Upgrade mechanical and electrical systems in building 205. Repair and replace HVAC, emergency power, and repair fire alarm system.		
KY	Blanchfield Army Hospital	Replace Roof on Hospital	990
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.		
KY	Blanchfield Army Hospital	Repair ER, Phase II	1,067

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<u>FY 1997</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>( \$000 )</u> <u>Cost</u>
KY	Blanchfield Army Hospital	Justification: Repair/Replace to alleviate Life Safety Impacts to Operations. Replace HVAC in Pathology	670
KY	Blanchfield Army Hospital	Justification: Repair/Replace to alleviate Life Safety Impacts to Support Functions. Replace Electrical Switchgear	800
KY	Blanchfield Army Hospital	Justification: Repair/Replace to alleviate Life Safety Impacts to Support Functions. Replace Honeycombs in 6 Cooling Towers	750
ME	Hanscom AFB	Justification: Repair/Replace to alleviate Life Safety Impacts to Support Functions. Repair Exterior - Building 1900	560
MD	NNMC BETH	Justification: Provide new exterior finish for the building, matching current base design/aesthetic standards. The clinic has a bunker-like appearance and presents a drab and oppressive look. Repair Expansion Joints (Parking Structure), R8-95, Blg 54	1,250

Justification: Repair by replacement needed to all expansion joints from level two to five. This is a six story parking facility with parking capacity for approximately 928 vehicles. 110 guardrail posts have been significantly corroded and need repair. Remove and re-patch all delaminated concrete topping slab. Repairs also include 22 damaged column caps and concrete curbs.

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<u>FY 1997</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
MO	General L. Wood Army Hosp	Fire Protection Upgrade	1,800
	<u>Justification:</u> Repair/Replace to alleviate Life Safety Impacts to Operations.		
MS	Columbus AFB	Convert Kitchen to Radiology	500
	<u>Justification:</u> Upgrade and increases space for the radiology department. Inpatient feeding is no longer required. The radiology department is severely constrained and expanded space is needed to adequately meet patient workload.		
MS	Keesler AFB	Life Safety Code Improvements	650
	<u>Justification:</u> Correct life safety deficiencies. Ongoing studies at this facility indicate it has been sorely neglected over the years. Identifying and correcting plumbing, mechanical and fire alarm systems throughout the facility is indicated.		
MS	Keesler AFB	Replace Air Handlers	5,600
	<u>Justification:</u> Replace and upgrade the air handlers. Multi-year phased project to replace all the air handlers in the facility and meet the established standards.		
NC	Pope AFB	Replace Building 305	500

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**State**

**((\$000))**  
**Cost**

Location/Installation      Project Title

Justification: This project replaces the clinic administration building - a dilapidated structure than not only presents an unpleasant appearance, but has severe life-safety deficiencies. The current building is a 3000 SF facility that will be replaced with an approximately 5400 SF facility housing the command section, tri-care, medical readiness and group orderly room.

NC      Seymour Johnson AFB      Repair Emergency Electrical System      1,250

Justification: This project updates wiring and electrical panels throughout the medical facility. Electrical equipment rooms will be renovated and all existing circuits will be identified at the breaker panels. The emergency electrical system will be upgraded, ensuring compliance with all codes.

OH      Wright-Patterson AFB      Replace Domestic Water System Phase II      800

Justification: Next phase in the upgrading of the facility is to replace the domestic water system. The system will be upgraded to meet current codes.

OH      Wright-Patterson AFB      Chiller Replacement      910

Justification: Replace two 1200-ton Chillers with Non-CFC Chillers. Project will encompass using more energy efficient means such as natural gas and steam powered chillers.

PR      NH ROOSRD      Correct Life Safety Code Deficiencies/Provide Sprinklers, R2-96, Bldg 1790      1,372

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<b>FY 1997</b>	<b>State</b>	<b>Location/Installation</b>	<b>Project Title</b>	<b>(\$000) Cost</b>
			<b>Justification:</b> This project provides a new sprinkler system for the 126,500 sf hospital and corrects sever Life Safety Code deficiencies throughout the hospital.	
PR		NH ROOSRD	Replace Ahu's 1/2 and Controls, R15-96, Blg 1790	2,002
			<b>Justification:</b> Repair by replacement to air handling units 1 and 2. System is inefficient and difficult to repair. Project will also replace the hospital HVAC control system and fire dampers.	
PR		NH ROOSRD	Replace AHU'S 4,6,7,8, R5-96, Blg 1790	1,450
			<b>Justification:</b> Repair by replacement the air handling units 4, 6, 7, and 8 and associated HVAC controls, ductwork, final filters, hot water piping, exhaust systems, seismic mounts and air balancing. The replacement will bring the mechanical systems up to code and provide an efficient system for the climate in Puerto Rico.	
PR		NH ROOSRD	Correct Nec Deficiencies/Replace Lightning Protection, R13-96, Blg 1790	1,222
			<b>Justification:</b> Repairs to correct National Electrical Code (NEC) deficiencies. Repairs include the lighting protection system, install grid system over the roof. Transformers located in the electrical rooms on the roof are not grounded according the NEC. Hospital currently functions in violation of the NEC and NFPA regulations and puts patients and hospital personnel at risk on a daily basis.	
RI		NH NPT	Repairs and Alterations, RC1-95, Blg 43	3,000

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<u>FY 1997 State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
	<p><b>Justification:</b> Project is a whole building repair project which includes improvements to the exterior and interior spaces. Interior repairs include upgrading the electrical distribution system, heating system, hot and cold potable water systems, and fire sprinkler systems. All building systems are over 50 years old. Exterior repairs include repointing and sealing the exterior brick veneer.</p>		
RI	NH NPT	Repairs and Alterations to Interior, RCE1-91(2), Blg 44	802
	<p><b>Justification:</b> Facility was constructed 1942. Interior repairs include replacing the elevator, the electrical distribution system, the heating system, the hot and cold potable water systems, the fire sprinkler and alarm systems, and interior finishes. All the major building systems are deteriorated, energy inefficient, and beyond their useful life.</p>		
SC	NH CHASN	Replace Exterior Windows, R4-89, Blg NH-1	850
	<p><b>Justification:</b> Repairs required to stop deterioration to window wall joints where cracked and allows water penetration. Also, water penetration and mildew evident within mortar, bricks, and precast concrete panels. Adversely affects safety, morale.</p>		
TX	AMEDD Center & School	Med Educ Facility (Beach) - Conjunctive Funding	3,000
	<p><b>Justification:</b> O&amp;M project associated with MILCON Medical Education Facility Alteration Project.</p>		
TX	Armstrong Laboratory	Replace HVAC and Controls Building 930	700

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(Costing more than \$500,000.00)**

**FY 1997  
State**

<u>Location/Installation</u>	<u>Project Title</u>	<u>((\$000) Cost</u>
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Justification: Upgrades HVAC infrastructure to meet current and future requirements.

TX	Armstrong Laboratory	Remove Asbestos, Bldg 140 West	550
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Justification: This project is to remove all sprayed on asbestos and asbestos piping above ceiling area, walls and access panels.

TX	Armstrong Laboratory	Remove Asbestos Building 175 West	2,500
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Justification: This project is to remove all sprayed on asbestos and asbestos piping above ceiling area, walls and access panels. This includes renovation of the building after completion of asbestos removal.

TX	Dyess AFB	Replace Electrical Feeds and Panels	1,050
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Justification: This project replaces all wiring and electrical panels throughout the medical facility. The current electrical system is 1956 vintage. The upgrade will also include re-wiring the emergency electrical system.

TX	Dyess AFB	Replace Boilers	1,191
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Justification: This project replaces three vintage boilers. This boilers tend to break down often and parts are hard to obtain. New boilers will not only be easier to maintain, but will provide much greater economy.



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**FY 1997**

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
TX	Lackland AFB	Alternation Interior of Building 7206	787
		<u>Justification:</u> Alternation of the building. Construction to include new wall, ceilings, new doors, bathroom fixtures, electrical and mechanical rooms and make the facility handicapped accessible.	
TX	Lackland AFB	Replace Switchgear	1,600
		<u>Justification:</u> Replace 15 KV metal enclosed switch and fuse switchgear, replace two transformers, unit substation No. 3 and conductors. This project was a specific recommendation to upgrade the medical center's electrical systems by the Total Emergency Plant Long Range Plan prepared by HQ ATC/ DEMU. Current equipment is nearing the end of its life expectancy and is operating at its capacity. The equipment cannot support further increases of medical center's current electrical demand.	
TX	Lackland	Replace Chilled Water Lines at TEP	500
		<u>Justification:</u> Replace chilled water supply and return line from the tunnel to the old portion of TDP with welded steel pipe. This section of the chilled water lines was replaced in 1995. The project design call for the contractor to use dissimilar materials. To connect the dissimilar materials, the contractor used couplings. Since the new line installation the couplings have failed on three separate occasions causing the renting of potable chillers while repairs were made.	
TX	Lackland AFB	Replace Automotive Material Handling Units with Guided Cart Sys	6,000

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**FY 1997**  
**State**

	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
TX	Lackland AFB	Replace Air Handling Units 2, 3, 4, & 5	1,500
	<p><u>Justification:</u> Automotive materiel handling units will be replaced with guided cart systems to upgrade materiel systems and improve efficiency of receiving and distributing medical materiel. The project will incorporate recommendations made by A/E Study MPLS 95-8030 Repair Study. Project will also replace cart washers 1, 2, 3, and upgrade associated elevators. The current system is in poor condition and requires constant maintenance.</p>		
TX	Lackland AFB	Upgrade Labor and Delivery Rooms	2,000
	<p><u>Justification:</u> Upgrading of the Labor and Delivery Rooms is needed to improve patient care. The project will modify 43,000 square feet of the main medical center to create a modern 28-30 bed Labor, Delivery, Recovery, and Postpartum and a 35 bed neonatal nursery.</p>		
TX	Lackland AFB	Replace Elevators 1, 2, 3, & 4	800

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<u>FY 1997</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>( \$000 )</u> <u>Cost</u>
TX	Lackland AFB	Alternation to Psychiatry Clinic Building 1354	600
	<p><u>Justification:</u> New elevators are needed to meet established codes. Due to age of the units excess funds are spent to perform unscheduled maintenance. The project will also allow upgrade the elevator cabs to meet handicapped accessibility standards.</p>		
TX	Lackland AFB	Clean, Repair and Seal Exterior of WHMC	2,000
	<p><u>Justification:</u> Alternation to the clinic is required to improve space and upgrade the clinic. Construction will include new wall, ceiling and floor finishes, new doors, bathroom fixtures and lights. Total upgrade of electrical and mechanical systems and provide a fire sprinkler system for the entire facility. In addition the project will make the facility handicapped accessible.</p>		
TX	Lackland AFB	Replace Exhaust Gas Boilers	500
	<p><u>Justification:</u> The project will improve the appearance and make repairs to the exterior of WHMC. Repair to exterior wall will be completed where concrete from the exterior walls have peeled off. The original sections of the medical centers exterior has never received a major upgrade.</p>		
TX	NH CORPUS	Repair Potable Water Distribution, R1-96, Bldg H100	627
	<p><u>Justification:</u> The project will replace vintage boilers. The current boilers require frequent maintenance and cannot be repaired to a satisfactory state of reliability.</p>		

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**(Costing more than \$500,000.00)**

FY 1997	<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	(\$000) <u>Cost</u>
TX	Sheppard AFB	Install Sprinklers and Standpipes	<u>Justification:</u> Repairs to deteriorated potable water lines. The potable water distribution lines are old and deteriorated. The frequency and cost of repairs is rising. Repairs require loss of water for most areas of the hospital until leaks are fixed. Continuing deterioration of the water lines, longer repair times have an adverse impact on patient care.	1,200
			<u>Justification:</u> Phase II of the installation project. The system is needed to meet codes and safety requirements.	
Total Minor Construction:		16,060		
Total Repair and Maintenance:		69,529		
Total Active Installations:		85,589		
Total Inactive Installations:		0		
Grand Total:		85,589		

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**(Costing more than \$500,000.00)**

FY 1998 State	<u>Location/Installation</u>	<u>Project Title</u>	(\$000) <u>Cost</u>
AL	Maxwell AFB	Repair and Convert Base Building to Dental and Patient Care	600
	<u>Justification:</u> Repair and conversion of base building at Gunter Annex to dental and patient care areas		
CA	Beale AFB	Replace Boilers	500
	<u>Justification:</u> This project will provide for the replacement of the current 3 million BTU boilers (3ea). The new boilers will be dual fueled natural gas and diesel fuel. When natural gas becomes available to the hospital area we will switch from diesel fuel to gas for economy and ecology.		
CA	NH CPEN	Repairs to Air Conditioning System, R2-89(2), Bldg H-100	779
	<u>Justification:</u> Phase II. Repair by replacement needed to HVAC system by replacing with an energy efficient system. Repairs needed frequently to deteriorating existing system. Adversely affecting mission, safety.		
CA	NH CPEN	Repair Interior, R7-93, Bldg H-100	1,000
	<u>Justification:</u> Repairs necessary to deteriorated interior of facility. Repairs include ceiling tile replacement, all vinyl wall covering, considerable plastering and painting of walls. Detrimental to patient care effectiveness and overall morale.		
CA	NMC SDIEGO	Upgrade Secondary Electrical Wiring (BEQ), R13-95, Bldg 26	500

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**(Costing more than \$500,000.00)**

**FY 1998**  
State

Location/Installation      Project Title      (\$000)  
Cost

Justification: Repair by replacement to the wiring system. The secondary electrical wiring system is antiquated, no longer meeting students needs for computers and other modern electrical equipment. There is only one receptacle per room. Occupants run extension cords and/or utilize multiple outlet adapters in order to operate equipment and appliances, in violation of NFPA and NEC standards. Upgrading the secondary electrical wiring system will correct these deficiencies.

ENG

Lakenheath

Construct/Repair Public Health Facility

715

Justification: Construct two additions for an additional 1500 square feet. Repair existing facility, replace windows/doors and install fire alarm/detection. Bringing the facility up to handicapped access standards.

FL

Eglin AFB

Life Safety Code Upgrade Phase II

2,600

Justification: Upgrades the MERC, Medical Logistics, Nutritional Medicine, Personnel and Admin, and Laboratory sections. All utility systems (electrical, HVAC, plumbing) will be upgraded to meet current codes and a fire sprinkler system will be installed.

FL

Eglin AFB

Life Safety Code Upgrade Phase III

2,800

Justification: Upgrades Radiology and the administrative sections. All utility systems will be upgraded to meet current codes and a fire sprinkler system will be installed.

FL

Patrick AFB

Alter Ward and Central Sterile Supply

726

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<u>FY 1998 State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
FL	Patrick AFB	Radiology Repairs  <u>Justification:</u> Renovation of the ward and the central sterile supply area is required to meet current mission. The project will upgrade the ward to current codes and create efficient use of the Central Sterile Supply area.	1,057
GU	Anderson AB	Mechanical Systems Upgrade  <u>Justification:</u> Upgrade the Radiology Service. Alteration of the radiology is needed to meet current patient demands and increase/renovate the clinic.	762
GE	Spangdahlem AB	Install Fire Rated Doors  <u>Justification:</u> Reorient air handling units, air testing balancing, relocate outside air intakes, dental air compressors/controls, seismic supports, relocate refrigeration air dryer, replace condenser coils.	529
JA	NH OKI	Replace HVAC System (Phase II), R5-93(2), Blg 6000  <u>Justification:</u> Install fire rated doors at Bitburg and Spangdahlem for buildings 57, 67, 137, 16, and 175. Additional work will include sealing wall penetrations and adding exit lights to all facilities.	3,365

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**FY 1998**  
State

(\$000)  
Cost

Location/Installation      Project Title

Justification: Phase II. Repair by replacement of entire (1950's vintage) deteriorating heating, ventilation, and air conditioning system (HVAC). The HVAC system is presently not air-balanced, which affects compliance to room pressurization criteria, indoor air quality, as well as the overall system performance. For cooling, high room humidities have resulted in dew point condensation with resulting dampness, mildew and fungus growth, odors, accelerated corrosion and deterioration of medical equipment.

JA

Yokota AB

Install a Life Safety Branch

2,918

Justification: Replace radiators for all generators, install ground conductors, install new overhead primary feeder from west substation, install double ended unit substation and transformer.

KY

Blanchfield Army Hospital

Replace Fire Pumps and Sprinkler System

800

Justification: Repair/ Replace to alleviate Life Safety Impacts to Operations.

KY

Blanchfield Army Hospital

Replace Incinerator with Grinder

850

Justification: Repair/Replace to alleviate Life Safety Impacts to Operations.

KY

Blanchfield Army Hospital

Replace Generator #1

900

Justification: Repair/Replace to alleviate Life Safety Impacts to Support Functions.

KY

Blanchfield Army Hospital

Nutrition Care--Phase I, HVAC

900



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<u>FY 1998</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>((\$000))</u> <u>Cost</u>
	<u>Justification:</u> Repair/Replace to alleviate Life Safety Impacts to Support Functions.		
KY	Blanchfield Army Hospital	Replace Med Gas, Vacuum & Evac System	970
	<u>Justification:</u> Repair/Replace to alleviate Life Safety Impacts to Support Functions.		
KY	Blanchfield Army Hospital	Replace Boiler Room Plumbing System	850
	<u>Justification:</u> Repair/Replace to alleviate Life Safety Impacts to Support Functions.		
KY	Blanchfield Army Hospital	Nutrition Care--Phase II	900
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Admin Functions.		
MD	NNMC BETH	Repairs to Recreation Area, (Gym/Swimming Pool), R2-94(1), Blg 23	1,000
	<u>Justification:</u> Phase I. The existing systems are over 50 years old. Severe system deficiencies exist in the areas of safety, reliability and adequacy. The entire electrical system is also over 50 years old and needs total replacement. Existing plumbing and HVAC piping needs constant attention and repairs. The intention of this project is to correct HVAC controls and replace its piping, plumbing piping and electrical distribution system.		
MD	NNMC BETH	Repairs to Officer's Club Area, R2-94(2), Blg 23	1,200

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**FY 1998**  
State

( \$000 )  
Cost

Location/Installation      Project Title

Justification: Phase II. The existing systems are over 50 years old. Severe system deficiencies exist in the areas of safety, reliability and adequacy. The entire electrical system is also over 50 years old and needs total replacement. Existing plumbing and HVAC piping needs constant attention and repairs. The intention of this project is to correct HVAC controls and replace its piping, plumbing piping and electrical distribution system.

MD

NNMC BETH      RPR Parking Lots, Basewide, R23-90, Blg 400

600

Justification: The existing parking lots require extensive repairs at various locations. This project will correct the damaged sections of paved areas by cutting out and removing the affected sections and replacing with new pavement.

MS

Keesler AFB      Replace all Windows

1,300

Justification: Replace windows throughout the facility. Multi-year phased project to replace all exterior windows which are unsightly and energy inefficient.

MS

Keesler AFB      Replace carpet

750

Justification: Replacement of carpet throughout the facility. Carpet has become worn and unsightly professional appearance.

SC

NH BFT      Upgrade Fire Sprinkler System, R5-94, Blg 1

3,000



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**FY 1998**

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
TX	Lackland AFB	Replace Incinerator	1,000
<p><u>Justification:</u> Various projects throughout the Medical Center will be completed to improve life safety codes.</p>			
TX	Lackland AFB	Replace Air Handler Units 8, 9, 13, and 14	1,500
<p><u>Justification:</u> Upgrading vintage incinerator. Current incinerator does not meet the demands placed on a facility of this size.</p>			
<p><u>Justification:</u> Upgrade and replacement of air handler units. Project implement recommendations from A/E study MPLS 93-8044 Study/Analysis of Air Handling Unit. Project will also include cleaning all ducts associated with these units. The units do not provide HVAC services in accordance with current standards. These units only provide two-thirds of the required amount of air.</p>			
TX	Lackland AFB	Replace Elevators 7, 8, 9, & 10	800
<p><u>Justification:</u> Replace and upgrade the elevators. Project to include new controllers, drivers and refurbish elevator cabs. Due to the equipment's age excess funds are spent to perform unscheduled maintenance. The equipment operation is very slow. Upgrading the elevators will increase the elevators efficiency by 25%. The project will also allow the elevators to be upgraded to meet handicapped accessibility standards.</p>			
TX	Sheppard AFB	Repair 1 Hour Egress Fire Barrier	847

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<u>FY 1998</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	(\$000) <u>Cost</u>
	<u>Justification:</u> Phase I to repair the egress fire barrier. Current barrier has deteriorated and in need of replacement/repair to meet current codes.		
TX	Sheppard AFB	Replace Mechanical Controllers with digital	510
	<u>Justification:</u> Upgrade the mechanical control system. Current system has met its life expectancy and is in need of replacement.		
TX	NH CORPUS	Emergency Elect Distribution Reconfiguration, CR1-95, B1g H100	862
	<u>Justification:</u> Project will redirect electrical services into critical and non-critical branches to comply with NAVFAC DM 33.02 and NFPA 99 requirements.		
TX	NH CORPUS	Replace Chilled Water Lines, R3-96, B1g H100	648
	<u>Justification:</u> The chilled water distribution lines are old and deteriorated. Repairs require increased down time due to poor condition of chilled water pipes. Continuing deterioration of the chilled water lines and longer repair times have an adverse impact on patient care.		
TX	WBAMC	Upgrade Boiler	750
	<u>Justification:</u> Repair/Replace to alleviate Life Safety Impacts to Support Functions.		
VA	NMCL QUANT	Resurface Roads and Repair/Replace Curbs/Sidewalks, R7-92, B1g 011	580

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**FY 1998**

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
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Justification: Repairs are necessary to the roads surfaced with bituminous concrete which is showing reflective cracks in two directions. There is a build up of the pavement to the point that the curbing is no longer effective. Also, replacement of sidewalk section needed.

WA

MAMC

Material for Hospital DDC

600

Justification: Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.

WA

MAMC

Installation of DDC in Tower

750

Justification: Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.

Total Minor Construction:	8,415
Total Repair and Maintenance:	40,878
Total Active Installations:	49,293
Total Inactive Installations:	0

Grand Total: 49,293

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<u>FY 1999 State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
CA	Beale AFB	Replace Hospital Plumbing	1,500
	<p><u>Justification:</u> This project will replace all plumbing and fixtures in the facility. If not funded continued problems will arise with the major components of the plumbing system. The majority, if the under the floor piping is not seismically braced, swaying of pipes from normal operations causes fractures and leaks. Lack of proper insulation causes heat and cooling losses which increase utility costs.</p>		
ENG	Lakenheath	Repair Ground Floor Building 932	3,000
	<p><u>Justification:</u> Operations and maintenance funding required to alter existing outpatient clinics.</p>		
FL	Eglin AFB	Live Safety Code Upgrade Phase IV	2,500
	<p><u>Justification:</u> Upgrades both second and third floors in the outpatient tower, and the upgrades the necessary portions of the second and third floors in the inpatient tower. All utility systems will be upgraded to meet current codes and the areas will have a fire sprinkler system installed.</p>		
FL	Eglin AFB	Life Safety Code Upgrade Phase V	2,500
	<p><u>Justification:</u> Upgrades the Family Practice clinic, and portions of the recently renovated Surgical suite and Labor and Delivery. All utility systems will be upgraded to meet current codes and a fire sprinkler system will be installed.</p>		

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<u>FY 1999 State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000) Cost</u>
FL	NH JAX	Renovate 8th Floor, RC1-95, Blg 2080	939
	<u>Justification:</u> Repairs to correct the space utilization problem. This activity is a teaching hospital. Project will provide spaces for training, teaching, and administrative functions. Currently, there are no appropriately sized classrooms or conference rooms to accommodate training evolutions. Adversely affects training and morale. Minor construction = \$65K.		
FL	Patrick AFB	Surgical Clinic Renovations	530
	<u>Justification:</u> Renovate the surgical clinic to meet current mission support. Currently the patient flow is not effective with the number of patients seen. Electrical and air flow modifications are also needed.		
GA	Martin Army Hospital	Upgrade Electrical System	800
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.		
GE	Spangdahlem	Repair interior Water Lines, Replace Radiators	2,500
	<u>Justification:</u> Facility water and heating system is 40 years old with numerous interior leaks. The project will replace entire system as recommended by BCE.		
IL	NH GLAKES	Historical Renovation, R6-90, Blg 1-H	4,103



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<u>FY 1999</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
JA	NH OKI	Replace HVAC System (Phase III), R5-93(3), Blg 6000	1,476
	<p><u>Justification:</u> Repairs necessary to this 87 year old facility. The exterior is deteriorating due to exposure to weather elements. Repairs and replacements include brickwork, tuckpointing, windows. Economical repair is not feasible due to antiquated parts that have not been made for many years. Proposes to restore to the original appearance of the building. The work performed will be in compliance with criteria for an Historic District.</p>		
JA	NH OKI	Replace Windows, R2-93, Blg 6000	4,791
	<p><u>Justification:</u> Phase III. Repair by replacement of entire (1950's) vintage deteriorating heating, ventilation, and air conditioning system (HVAC). The HVAC system is presently not air-balanced, which affects compliance to room pressurization criteria, indoor air quality, as well as the overall system performance. For cooling, high room humidities have resulted in dew point condensation with resulting dampness, mildew and fungus growth, odors, accelerated corrosion and deterioration of medical equipment.</p>		
JA	Yokota	Generator Upgrade	3,000
	<p><u>Justification:</u> This building is 40 years old. Some of the existing window glass have been broken and replaced with sheetmetal. Due to severe high humidity, salt-laden atmosphere and frequent typhoons in the region, the existing window frames are corroded. Caulking has cracked and allows humid air to infiltrate, severely saturated moisture that damages the acoustical ceilings, wall paint, and delicate equipment. Adversely affects mission, morale, and safety.</p>		

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<u>FY 1999 State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>( \$000 ) Cost</u>
KO	Osan	<p><u>Justification:</u> Extend generator room and install two 750k generators.</p> <p>Electrical Systems Upgrade</p> <p><u>Justification:</u> Correct parrelling systems, replace lighting systems, replace stairwell fixtures, provide lighting protection system, seismic bracing, tone/visual system, replace nurse call system, LAN system, duress alarm system, telephone switch.</p>	598
KO	Osan	Mechanical Systems Upgrade	867
KS	Munson Army Hospital	<p><u>Justification:</u> Replace existing Air Handling units, heat exchanger, add cooling in lab, overhaul control system, retrofit chillers for refrigerant, replace computer room halon system, replace ductwork, inspect and repair filter housing.</p> <p>Replace Sprinkler System in Hospital</p>	900
KY	Blanchfield Army Hospital	<p><u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.</p> <p>Replace TMC/DC Roof</p>	800
KY	Blanchfield Army Hospital	<p><u>Justification:</u> Repair/Replace to alleviate Life Safety Impacts to Support Functions.</p> <p>Replace Boilers &amp; Chillers in DCs</p>	600

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<u>FY 1999</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
	<u>Justification:</u> Repair/Replace to alleviate Life Safety Impacts to Support Functions.		
KY	Blanchfield Army Hospital	Replace Hospital Hot Water Heater	600
	<u>Justification:</u> Repair/Replace to alleviate Life Safety Impacts to Support Functions.		
KY	Blanchfield Army Hospital	Replace Generator #2	900
	<u>Justification:</u> Repair/Replace to alleviate Life Safety Impacts to Support Functions.		
KY	Blanchfield Army Hospital	Replace Water Plumbing in Hospital	800
	<u>Justification:</u> Repair/Replace to alleviate Life Safety Impacts to Support Functions.		
MD	NNMC BETH	Repair Roads, Basewide, R24-90, Bldg 810	800
	<u>Justification:</u> The existing roads require extensive repairs at various locations. Project will provide new pavement to all damaged sections of paved areas.		
MO	Gen Leonard Wood Army Hosp	Replace Switchgear, Bldg 311	650
	<u>Justification:</u> Repair/Replace to alleviate Life Safety Impacts to Operations.		
MS	Keesler	Replace Hot Water System	812

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<u>FY 1999</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
		<u>Justification:</u> Upgrade the hot water system. This is a result of studies performed in FY96 on this problem. It is a complex situation that while not life threatening, has caused hot water to cross over into cold water lines and actually come out of showers and drinking fountains when cold water should have been present.	
PA	Carlisle Barracks	Conjunctive Funding Project	3,600
		<u>Justification:</u> O&M project associated with MILCON project.	
RI	NH NPT	Repair Roads, R1-93	525
		<u>Justification:</u> The current state of repair of the roads is rapidly deteriorating and will continue to degrade until major maintenance is performed. Pot hole patching can no longer be considered viable maintenance for the problem areas.	
SC	NH CHASN	Provide Automatic Fire Protection Sprinklers, R1-96, Blg NH1	2,398
		<u>Justification:</u> Project provides full automatic fire protection sprinklers to the entire building in accordance with the current Life Safety Codes and standards.	
TX	AMEDD Center & School	Med Educ Facility (Beach) - Conjunctive Funding	6,100
		<u>Justification:</u> O&M project associated with MILCON Medical Education Facility Alteration Project.	

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<b>FY 1999</b>	<b>State</b>	<b>Location/Installation</b>	<b>Project Title</b>	<b>((\$000))</b> <b>Cost</b>
TX		Lackland AFB	Renovate 2nd Floor ICU's	2,000
		<u>Justification:</u> Upgrade and renovate the ICU floor. This area is in need of improvement.		
TX		Lackland AFB	Electrical Upgrade	500
		<u>Justification:</u> Upgrade the electrical system at WHMC.		
TX		Lackland AFB	Replace Air Handlers 20,23, 24, 25, & 29	1,500
		<u>Justification:</u> Replace and upgrade the air handlers. Replace and upgrade the air handlers. Project implement recommendations form A/E Study MPLS 93-8044 Study/Analysis of Air Handling Unit. Project will also include cleaning all ducts associated wit these units. This units doe not provide HVAC services in accordance with current codes. These units only provide two-thirds of the required amount of air.		
TX		Lackland AFB	Replace TEP Transformers	1,000
		<u>Justification:</u> Replace and upgrade the TEP transformers. These units were installed as original equipment in 1979 and have reached their life expectancy. The transformers now require frequent maintenance and cannot be repaired to satisfactory state of reliability.		
TX		Lackland AFB	Replace Steam Lines from WHMC & TEP	500

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<u>FY 1999 State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>( \$000 ) Cost</u>
TX	Lackland AFB	Replace Carpet	1,000
	<u>Justification:</u> Replace and upgrade steam lines. Current steam lines are vintage age and in need of replacement to meet the current demand within the medical center.		
TX	NH CORPUS	Replace Sewer Lines, R2-96, Bldg H100	659
	<u>Justification:</u> Phase I of carpet replacement within WHMC. Carpet within the facility has become unsightly and unprofessional.		
	<u>Justification:</u> The sewer water distribution lines are old and deteriorated. Repairs require increased loss of sanitary facilities due to poor condition of soil pipes and drains. Continuing deterioration of the sewer water lines and longer repair times have an adverse impact on patient care.		
TX	Randolph AFB	Replace Chiller	500
	<u>Justification:</u> Replace and upgrade chiller. Current chillers will have reached their life expectancy and will need replacement. There have been periodic problems and continual repair is not advised.		
TX	Randolph AFB	Replace and upgrade HVAC	700

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<u>FY 1999</u> <u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u> <u>Cost</u>
	<u>Justification:</u> Replace and upgrade HVAC system. Current system is 10 years old and needing upgrade. While not critical now, it will prevent more costly repairs in the future if it's accomplished now.		
TX	Randolph AFB	Replace Clinic Roof	500
	<u>Justification:</u> Replace and upgrade the clinic roof. Current roof has reached its life expectancy and replacement is required.		
TX	Sheppard AFB	Repair One Hour Egress	881
	<u>Justification:</u> Phase II of the of the repair of the egress system.		
TX	WBAMC	Repair 3rd Floor Lab	1,000
	<u>Justification:</u> Repair/Replace to alleviate Life Safety Impacts to Support Functions.		
TX	WBAMC	Replace Elevator	2,500
	<u>Justification:</u> Repair/Replace to alleviate Life Safety Impacts to Operations.		
WA	MAMC	Material for Logistics DDC	500
	<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.		

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<b>FY 1999 State</b>	<b><u>Location/Installation</u></b>	<b><u>Project Title</u></b>	<b><u>( \$000 ) Cost</u></b>
WA	MAMC	Hospital DDC Installation	675
		<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.	
WA	MAMC	Refrigerant Conversion Centrifugal Chillers	500
		<u>Justification:</u> Repair/Replacement for amelioration of Health, Safety, Environmental, or JCAHO impacts to Operations.	



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FY 1999	<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	(\$000) <u>Cost</u>
Total Minor Construction:				1,380
Total Repair and Maintenance:				62,124
Total Active Installations:				63,504
Total Inactive Installations:				0
Grand Total:				63,504